

#16  
01-06-042/47/18

PTO/SE/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

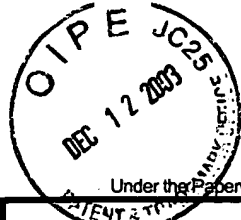
Under the Paper Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

|  |                        |                  |
|--|------------------------|------------------|
| <b>TRANSMITTAL FORM</b><br><i>(to be used for all correspondence after initial filing)</i> | Application Number     | 09/412,447       |
|  | Filing Date            | 10/04/1999       |
|  | First Named Inventor   | Cain             |
|  | Group Art Unit         | 2141             |
|  | Examiner Name          | Mirza            |
| Total Number of Pages in This Submission   | Attorney Docket Number | 2204/144 120-024 |

| ENCLOSURES (check all that apply)   |   |  |
|---|---|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached<br><input type="checkbox"/> Amendment<br>After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input checked="" type="checkbox"/> Information Disclosure Statement<br>PTO Form 1149 and refs<br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Response to Missing Parts/<br>Incomplete Application<br><input type="checkbox"/> Response to Missing Parts<br>under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Assignment Papers<br>(for an Application)<br><input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a<br>Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation<br>Change of Correspondence<br>Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) | <input type="checkbox"/> After Allowance Communication<br>to Group<br><input type="checkbox"/> Appeal Communication to Board of<br>Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to Group<br>(Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input type="checkbox"/> Other Enclosure(s) (please<br>identify below): |
| Remarks   |   | <b>RECEIVED</b><br>DEC 18 2003<br>Technology Center 2100   |
| Please charge any deficiency or credit any overpayment to Deposit Account No. 502569.   |   |  |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT |   |
|--|---|
| Firm or Individual name                    | Lindsay G. McGuinness, Reg. No. 38,549<br>Steubing McGuinness & Manaras LLP |
| Signature                                  | <i>Lindsay G. McGuinness</i>  |
| Date                                       | 12/9/2003   |

| CERTIFICATE OF MAILING OR FACSIMILE  |                          |
|--|--------------------------|
| I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, Alexandria, VA 33212 or being facsimile transmitted to the United States Patent and Trademark Office at number (703) 746-7239 on this date: |                          |
| Type or printed name   | Carol Ann Mahoney        |
| Signature  | <i>Carol Ann Mahoney</i> |
| Date   | 12-7-03                  |



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

☐ Applicant Claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 180.00

## Complete if Known

|                      |                  |
|----------------------|------------------|
| Application Number   | 09/412 447       |
| Filing Date          | 10/4/1999        |
| First Named Inventor | Cain             |
| Examiner Name        | Mirza            |
| Art Unit             | 2141             |
| Attorney Docket No.  | 2204/144 120-024 |

## METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account

|                        |                                   |
|------------------------|-----------------------------------|
| Deposit Account Number | 502569                            |
| Deposit Account Name   | Steubing McGuinness & Manaras LLP |

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☐ Charge any additional fee(s) during the pendency of this application

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

| Large Entity Fee Code | Large Entity Fee (\$) | Small Entity Fee Code | Small Entity Fee (\$) | Fee Description        | Fee Paid |
|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|----------|
| 1001                  | 770                   | 2001                  | 380                   | Utility filing fee     |          |
| 1002                  | 340                   | 2002                  | 170                   | Design filing fee      |          |
| 1003                  | 520                   | 2003                  | 260                   | Plant filing fee       |          |
| 1004                  | 760                   | 2004                  | 380                   | Reissue filing fee     |          |
| 1005                  | 160                   | 2005                  | 80                    | Provisional filing fee |          |

SUBTOTAL (1) (\$) 770.00

### 2. EXTRA CLAIM FEES

|                    |     |              |   |                |       |          |
|--------------------|-----|--------------|---|----------------|-------|----------|
| Total Claims       | **= | Extra Claims | X | Fee from below | 18.00 | Fee Paid |
| Independent Claims | **= |              | X |                | 86.00 |          |
| Multiple Dependent |     |              |   |                |       |          |

| Large Entity Fee Code | Large Entity Fee (\$) | Small Entity Fee Code | Small Entity Fee (\$) | Fee Description   |
|-----------------------|-----------------------|-----------------------|-----------------------|---|
| 1202                  | 18                    | 2202                  | 9                     | Claims in excess of 20                                    |
| 1201                  | 84                    | 2201                  | 43                    | Independent claims in excess of 3                         |
| 1203                  | 290                   | 2203                  | 145                   | Multiple dependent claim, if not paid                     |
| 1204                  | 86                    | 2204                  | 43                    | **Reissue independent claims over original patent         |
| 1205                  | 18                    | 2205                  | 9                     | **Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$)

\*\* or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

| Large Entity Fee Code | Large Entity Fee (\$) | Small Entity Fee Code | Small Entity Fee (\$) | Fee Description   |
|-----------------------|-----------------------|-----------------------|-----------------------|---|
| 1051                  | 130                   | 2051                  | 65                    | Surcharge - late filing fee or oath   |
| 1052                  | 50                    | 2052                  | 25                    | Surcharge - late provisional filing fee or cover sheet                            |
| 1053                  | 130                   | 1053                  | 130                   | Non-English specification   |
| 1812                  | 2,520                 | 1812                  | 2,520                 | For filing a request for ex parte reexamination                                   |
| 1804                  | 920*                  | 1804                  | 920*                  | Requesting publication of SIR prior to Examiner action                            |
| 1805                  | 1,840*                | 1805                  | 1,840*                | Requesting publication of SIR after Examiner action                               |
| 1251                  | 110                   | 2251                  | 55                    | Extension for reply within first month  |
| 1252                  | 410                   | 2252                  | 205                   | Extension for reply within second month, minus 1 <sup>st</sup> month already paid |
| 1253                  | 940                   | 2253                  | 470                   | Extension for reply within third month  |
| 1254                  | 1,470                 | 2254                  | 735                   | Extension for reply within fourth month   |
| 1255                  | 2,000                 | 2255                  | 1,000                 | Extension for reply within fifth month  |
| 1401                  | 320                   | 2401                  | 165                   | Notice of Appeal  |
| 1402                  | 320                   | 2402                  | 165                   | Filing a brief in support of an appeal  |
| 1403                  | 290                   | 2403                  | 145                   | Request for oral hearing  |
| 1451                  | 1,510                 | 1451                  | 1,510                 | Petition to institute a public use proceeding                                     |
| 1452                  | 110                   | 2452                  | 55                    | Petition to revive - unavoidable  |
| 1453                  | 1,310                 | 2453                  | 655                   | Petition to revive - unintentional  |
| 1501                  | 1,310                 | 2501                  | 655                   | Utility issue fee (or reissue)  |
| 1502                  | 470                   | 2502                  | 235                   | Design issue fee  |
| 1503                  | 630                   | 2503                  | 315                   | Plant issue fee   |
| 1460                  | 130                   | 1460                  | 130                   | Petitions to the Commissioner   |
| 1807                  | 50                    | 1807                  | 50                    | Processing fee under 37 CFR 1.17(q)   |
| 1806                  | 180                   | 1806                  | 180                   | Submission of Information Disclosure Stmt   |
| 8021                  | 40                    | 8021                  | 40                    | Recording each patent assignment per property (times number of properties)        |
| 1809                  | 760                   | 2809                  | 380                   | Filing a submission after final rejection (37 CFR § 1.129(a))                     |
| 1810                  | 760                   | 2810                  | 380                   | For each additional invention to be examined (37 CFR § 1.129(b))                  |
| 1801                  | 760                   | 2801                  | 380                   | Request for Continued Examination (RCE)   |
| 1802                  | 900                   | 1802                  | 900                   | Request for expedited examination of a design application                         |

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$) 180.00

## SUBMITTED BY

|                   |                    |                                   |       |           |              |
|-------------------|--------------------|-----------------------------------|-------|-----------|--------------|
| Name (Print/Type) | Lindsay McGuinness | Registration No. (Attorney/Agent) | 38549 | Telephone | 978-264-6664 |
| Signature         | Lindsay McGuinness |                                   |       | Date      | 12/9/2003    |

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 37 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2



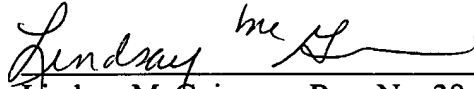
**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

The relevance of the attached references is that this is the closest art of which Applicant is aware. Applicant submits that the above references taken alone or in combination neither anticipate nor render obvious the present invention. Consideration of the foregoing in relation to this application is respectfully requested.

It is requested that the information disclosed herein be made of record in this application.

Respectfully Submitted,

12/9/2003  
Date

  
Lindsay McGuinness, Reg. No. 38,549  
Attorney/Agent for Applicant(s)  
Steubing McGuinness & Manaras LLP  
125 Nagog Park Drive  
Acton, MA 01720  
(978) 264-6664

Docket No. 2204/144 120-024